

Abstract

[0044] The subject invention provides methods for producing homogenous organic base fertilizer for plant nutrition and soil fertility. Also provided by the subject invention are value added fertilizer products for plant nutrition and soil fertility and concentrated liquid formulations/nutrient supplements that provide the value added nutrients to fertilizer products. Methods according to the invention involve the application of concentrated liquid(s) and/or dry formulation(s) comprising a mixture of one or more plant nutrient(s), one or more additional organic compound(s), one or more penetrant(s), and one or more optional supplement(s) into one or more organic base material(s). These organic base materials include, and are not limited to, biosolids, activated sludge, municipal compost, animal manures (*e.g.*, horse, cow, chicken, pig, and sheep), and composted organic byproducts.